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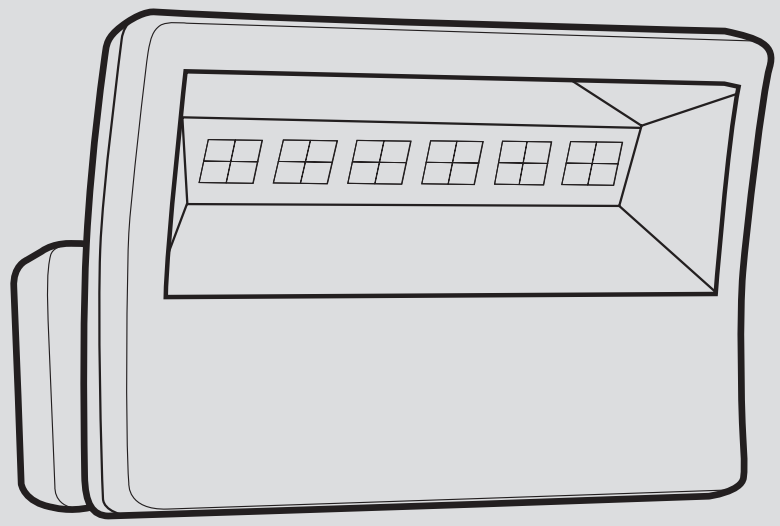
MIGHTYLITE

Mightylite 36W / 50W LED Floodlights
Model: MLF036 / MLF050



Installation & operating instructions

HYLITE MIGHTYLITE – INSTALLATION AND OPERATING INSTRUCTIONS

The Hylite Mightylite floodlight a low energy, high powered outdoor LED floodlight which is suitable for installation on solid walls in a range of locations including entrances, gardens, staircases, garages and outdoor parking areas.

The unit requires connection to a 230 AC 50Hz mains electricity supply.

1. IMPORTANT SAFETY INSTRUCTIONS

WARNING: THIS PRODUCT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN, AND CHECKED TO ENSURE IT IS SAFE BEFORE USING

PLEASE FOLLOW THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL AND OPERATE THIS LIGHT

- The risk of electric shock should be minimized by the installation of appropriate safety devices including the incorporation of an RCCB (Residual Current Circuit Breaker) into the main distribution board.
- DO NOT wire this floodlight directly into the lighting circuit. Use a switched fused spur. Cables should always be protected against short circuit and overload by use of an RCD.
- Ensure the voltage marked on the product is the same as the electrical power supply to be used.
- DO NOT install the light where it is likely to be knocked or hit; in hot or humid conditions such as bathrooms, shower rooms or saunas; or near an exhaust outlet e.g. boiler flue, dryer outlet.

1.1 IMPORTANT OPERATION & MAINTENANCE INSTRUCTIONS

- DO NOT position the light near flammable or combustible materials (such as wood, cloth, paper) or near flammable, combustible or explosive liquids, solids, gases or equipment.
- DO NOT direct the light into a person's eyes. This light has a very intensive light output, which if incorrectly used could cause eye damage.
- ALWAYS disconnect the mains power supply before servicing or performing any maintenance.
- ALWAYS maintain the light in good condition, with repairs only undertaken by a qualified electrician
- ONLY carry out repairs using genuine parts. Non-authorized parts may be dangerous and will invalidate the warranty

1.2 PARTS INCLUDED

1 x Mightylite LED Floodlight
1 x Connection box
1 x Cable gland
4 x Connection box screws
4 x Connection box screw covers
4 x Connection box fixing screws
4 x Connection box fixing screw covers
1 x U bracket
2 x Securing knobs

1.3 TOOLS REQUIRED

Electric/hand-held drill
No.8 masonry drill bit
Electricians screwdriver
Large cross-head screwdriver
Small cross-head screwdriver
Wire cutters

THIS PRODUCT IS SUITABLE FOR WALL MOUNTING ONLY

2. WIRING REQUIREMENTS

The unit requires connection to a 230 AC 50Hz mains electricity supply.

It is recommended that the unit is connected to the domestic lighting circuit via a 5 amp fused spur and using 2-core round flexible cable of at least 1mm^2 gauge (waterproof cable should be used for outdoor installations).

It is also advisable to install a single pole wall switch to allow easy control of the floodlight (Fig. 1).

Fig.1

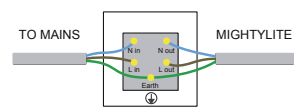
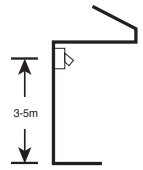


Fig.2



3. INSTALLATION INSTRUCTIONS

3.1 CHOOSING A MOUNTING LOCATION

- Mount the floodlight onto solid brick or woodwork, 3 - 5m above the ground [Fig. 2]
- Avoid positioning the light near heat sources such as hot ventilator ducts, air conditioning units, street lighting or traffic which may interfere with its operation.

3.2 FIXING THE MIGHTYLITE

WARNING: Isolate the power supply before installation.

The Mightylite can be fixed in position by EITHER:

Option 1: Attaching the connection box directly to a wall (or vertical surface) and attaching the Mightylite to the connection box , or

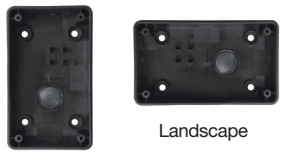
Option 2: Attaching the U bracket to the mounting surface and attaching the Mightylite to the U bracket.

3.2.1 OPTION 1: ATTACHING MIGHTYLITE VIA THE CONNECTION BOX

- Position the unit on the wall and mark the position for the connection box (which can be positioned in either landscape or portrait planes [Fig. 3]).
- Ensure the wires can easily enter the connection box through either one of the knock-outs on the side of the connection box, or through the knock-out at the rear of the box.

  NOTE: It is recommended that the knock-outs on the sides of the connection box are used in conjunction with the cable gland [Fig 4.] as using the knock-out at the rear of the connection box will reduce the weatherproof rating of the unit to IP23.
- However, If feeding a wire(s) through the knock-out at the rear of the connection box, this will need to be removed, the sealing grommet fitted [Fig.5] and the wire pushed through into the connection box BEFORE it is secured to the wall.
- If feeding a wire(s) through the side knock-outs, it is easiest to fit the cable gland to the connection box [Fig.4] BEFORE securing it to the wall, and wires should enter the connection box from the sides or underneath, NOT from the top.
- Use the connection box Fixing Holes [Fig.6] to mark the 4 drill holes required to secure the box to the wall (and mark the cable outlet location if required). Drill the wall and screw the connection box onto the wall using the screws and wall plugs provided.
- Once the wire(s) has been fed through the Sealing Gland, the nut on the gland should be gently tightened up against the gland body [Fig. 7] to ensure the wire(s) is secured in place and no water can get though into the connection box.

Fig.3



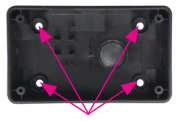
Portrait

Landscape

Fig.4

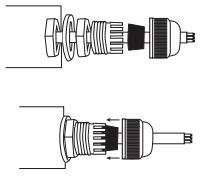
Fig.5

Fig.6



Fixing Holes

Fig.7

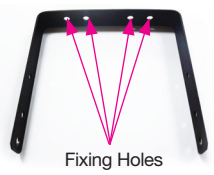


3.2.2 OPTION 2: ATTACHING THE MIGHTYLITE VIA THE U BRACKET

- Attach the Mightylite to the U bracket using the two Securing Knobs provided, [Fig.8]
- Position the unit against the mounting surface and mark the position for the U bracket, ensuring the wires can easily reach the unit.
- Use the U bracket Fixing Holes [Fig.9] to mark the 4 drill holes required to secure the U bracket to the wall (and mark the cable outlet location if required). Drill the wall and screw U bracket onto the wall using the screws and wall plugs provided.
- Choose which of the 5 knock-outs (4 on the side of the box, one at the rear)) is going to be used for the cable to enter the connection box, ensuring wires enter the box from the sides or underneath, not from the top. Once the knock-out has been removed, fit the cable gland to the connection box [Fig.10].
- Once the wire(s) has been fed through the Sealing Gland, the nut on the gland should be gently tightened up against the gland body [Fig. 10] to ensure the wire(s) is secured in place and no water can get though into the connection box.
- IMPORTANT – Ensure that the 4 screw covers are fitted to to inside of the connection box to prevent water entering the box through the connection box screw holes [Fig.11].

Fig.8

Fig.9



Fixing Holes

Fig.10

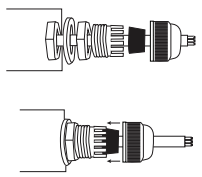
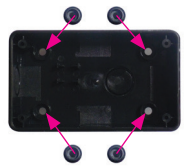


Fig.11



3.3 WIRING THE FLOODLIGHT

- Once the power cable has been fed through the cable gland (or sealing grommet if using the knock-out at the rear of the connection box) approximately 6mm of insulation should be stripped from each of the cores of AC cable ready to attach it to the terminal block in the front of the light fitting.

NOTE: The Hylite Mightylites MLF036 and MLF050 are Class 1 fittings and therefore need to be Earthed

CONNECTING TO POWER SUPPLY

- Connect the BROWN or RED (Live) wire to the terminal (marked “L”) holding the single BROWN wire in the floodlight unit [Fig.12].
- Connect the BLUE or BLACK (Neutral) wire to the terminal (marked “N”) holding the BLUE wire in the floodlight unit.
- Connect the YELLOW/GREEN or BARE (Earth) wire to the terminal (marked “EARTH”) holding the YELLOW/GREEN wire in the floodlight unit
- After the connections have been secured, the floodlight front (Connection Box front) should be fastened to the Connection Box using the 4 Connection Box Screws provided [Fig.13]
- Once screws are secure, the screw covers (provided) should be fitted [Fig.13]
- If the Mightylite has been attached to the wall via the Connection Box, then it can be adjusted by simply hold the box firmly whilst moving the head of the floodlight to the required position.
- If the Mightylite has been attached via the U bracket then it can be adjusted by simply loosening the 2 Securing Knobs which connect the light to the U bracket, setting the required position of the light, and tightening the knobs.

Fig.12

Fig.13